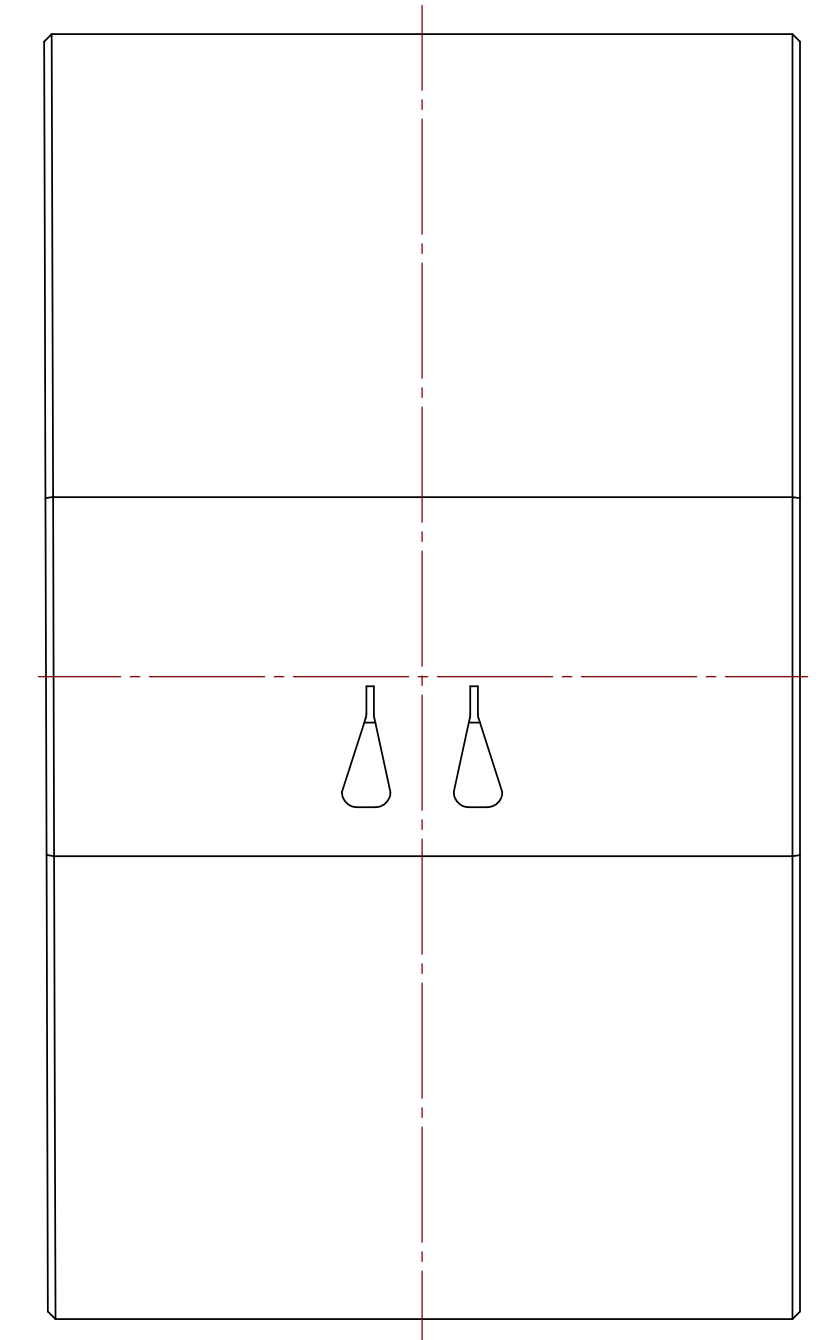
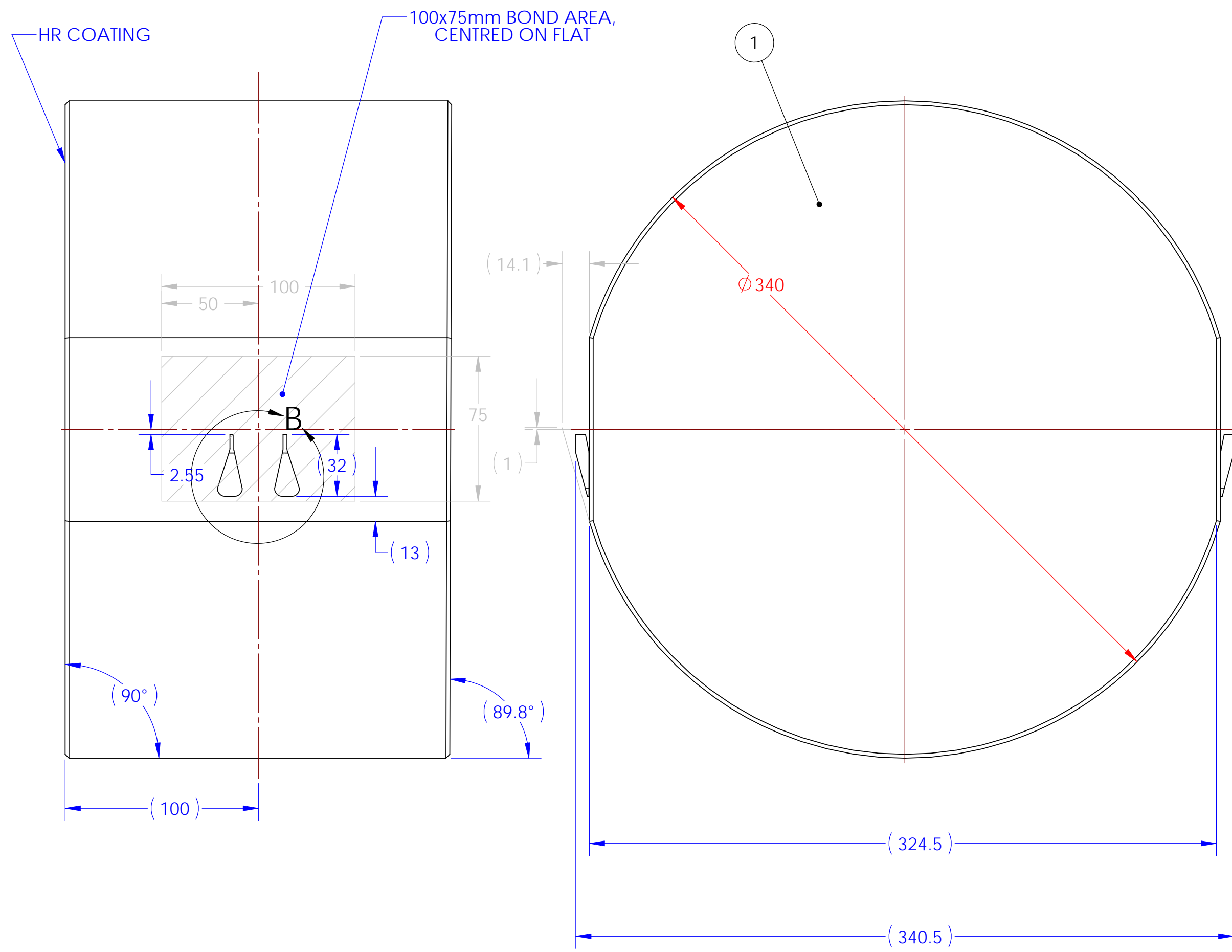
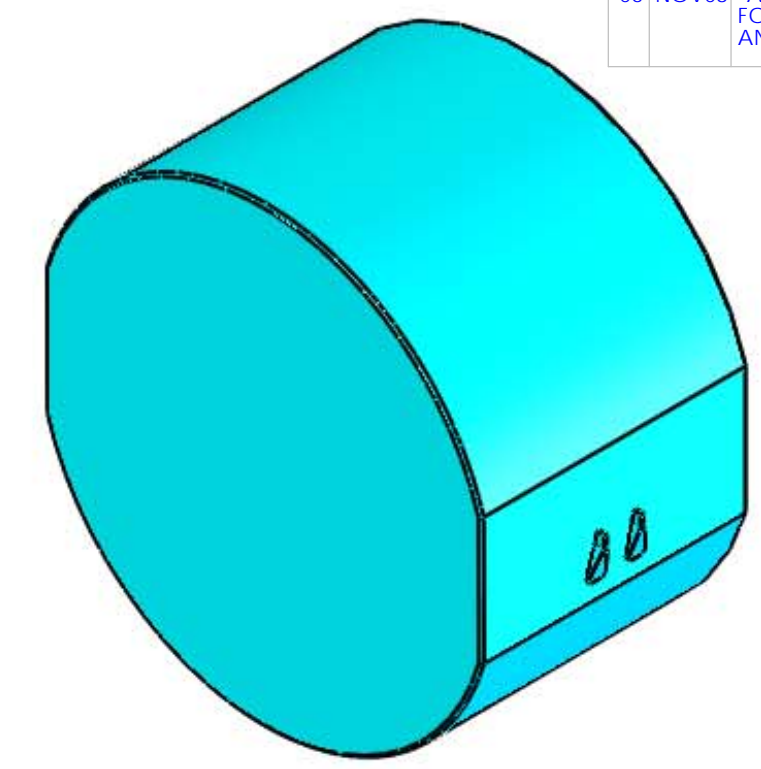
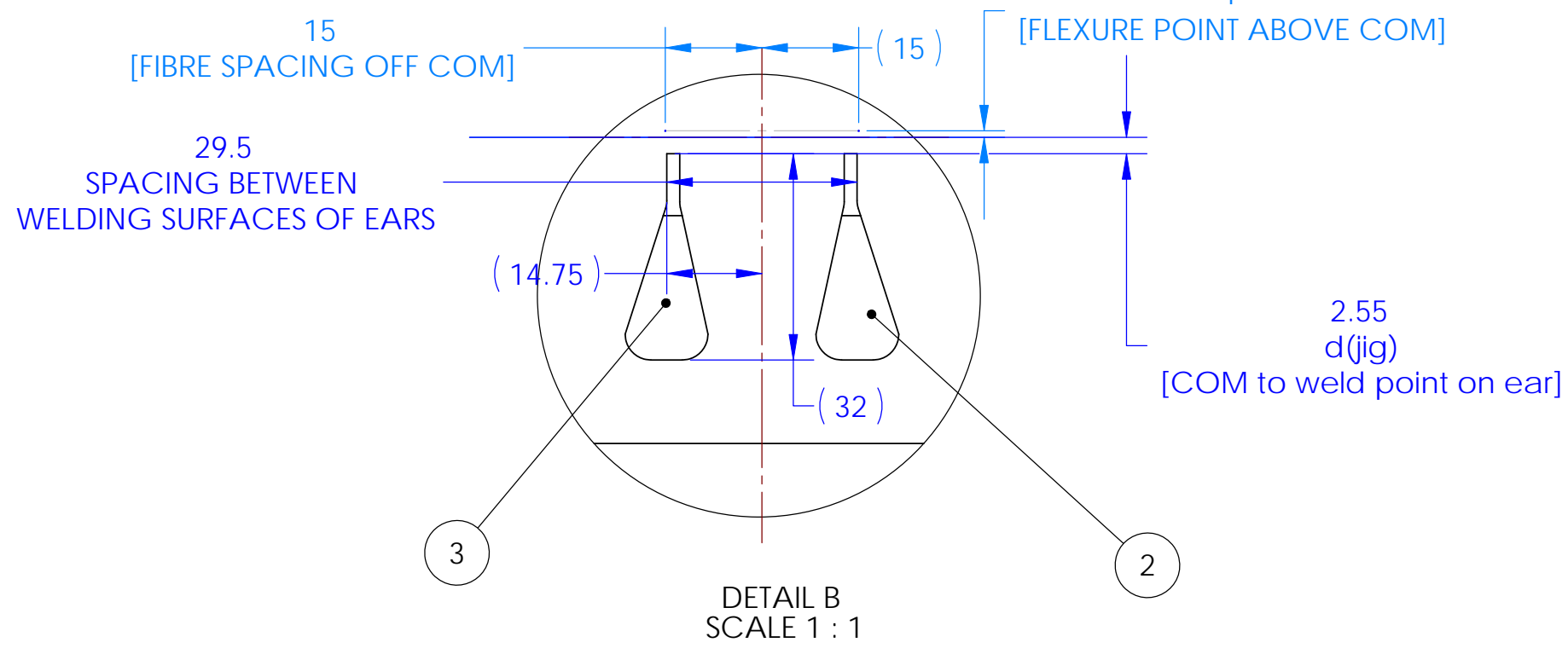


REV.	DATE	DCN #	DRAWING TREE #
00	03		
NOTES IN PART FILE.			
04	AUG07		
05	AUG08		
06	NOV08		



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	D040431_SILICA TEST MASS	SILICA TEST MASS	1
2	D060055_Refined Ear (Type A)	Refined Ear (Type A)	2
3	D060056_Refined Ear (Type B)	Refined Ear (Type B)	2

GENERAL ARRANGEMENT 1: (REV06, UNCHANGED FROM DRAWING REV 05)
 LASTI OPTIC, WITH NP-type REFINED EARS, BONDED AUGUST '07(T070223)

NOTES: (UNLESS OTHERWISE SPECIFIED)

- DO NOT SCALE FROM DRAWING.
- FOR DETAILED NOTES AND REFERENCED DOCUMENTS ON BONDING OF ETM NP-type SILICA TEST MASS, REFER TO LIGO-T070223 NP-type Ear Bonding at LASTI.
- REFER TO LIGO-D070391 [NP-type Ear Bonding Jig GA] FOR UNDERSTANDING OF SUBTLE DIFFERENCES BETWEEN "TYPE A" AND "TYPE B" REFINED EARS.

DIMENSIONS ARE IN MILLIMETERS
 GENERAL TOLERANCES:
 X ± 0.3
 X ± 0.2
 ANGULAR ± 0.5 °

MATERIAL --
FINISH -- µm

DRAWN R.JONES AUG07
CHECKED J.HOUGH / M.V.VEGGE AUG07
APPROVED

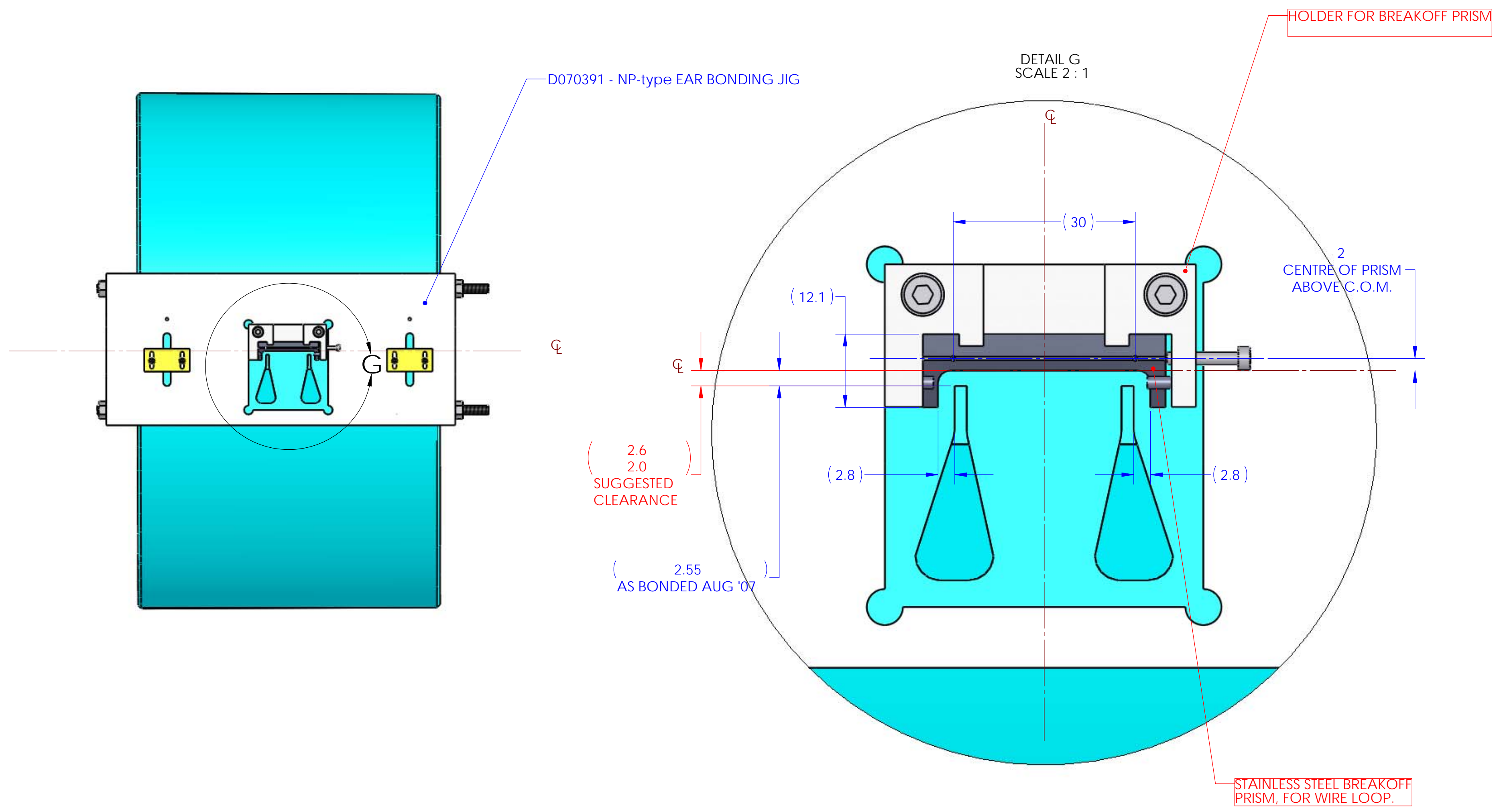
**CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY
 IGR, GLASGOW UNIVERSITY GEO 600 GROUP**

SYSTEM ADVANCED LIGO
SUB-SYSTEM SUS
NEXT ASSY NP-type ETM

PART NAME
 (Fully Bonded) ETM SILICA TEST MASS

SIZE C **DWG. NO.** D060039 **REV** 06
SCALE: 1:8 **PROJECTION:** **SHEET 1 OF 4**

REV.	DATE	DCN #	DRAWING TREE #

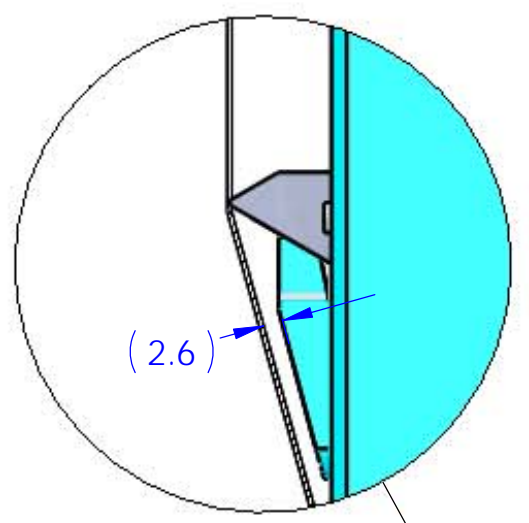


**GENERAL ARRANGEMENT 2:
ASSESSMENT OF STAINLESS STEEL (D080697) PRISM WITH EXISTING NP-type BONDING JIG.**

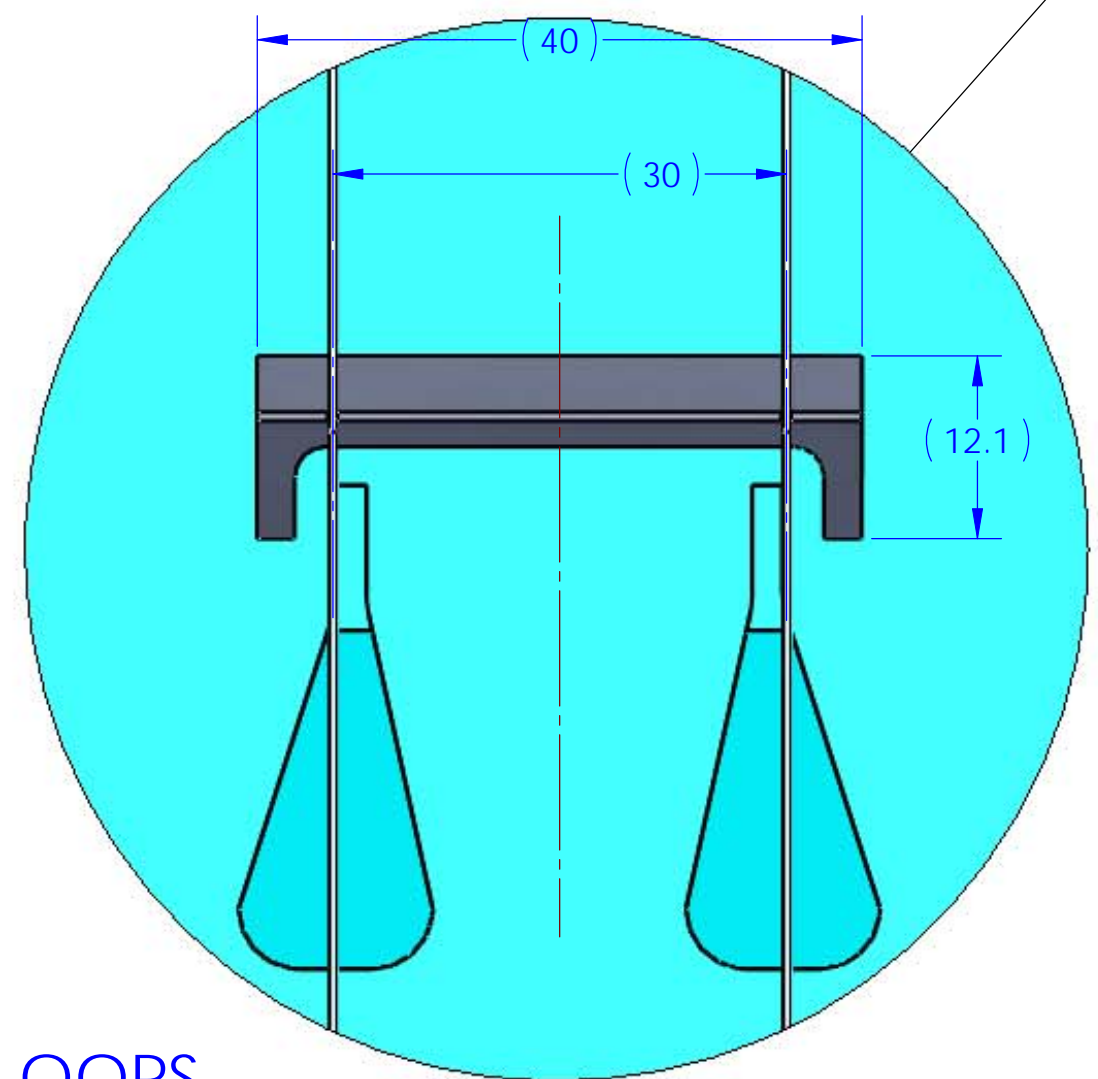
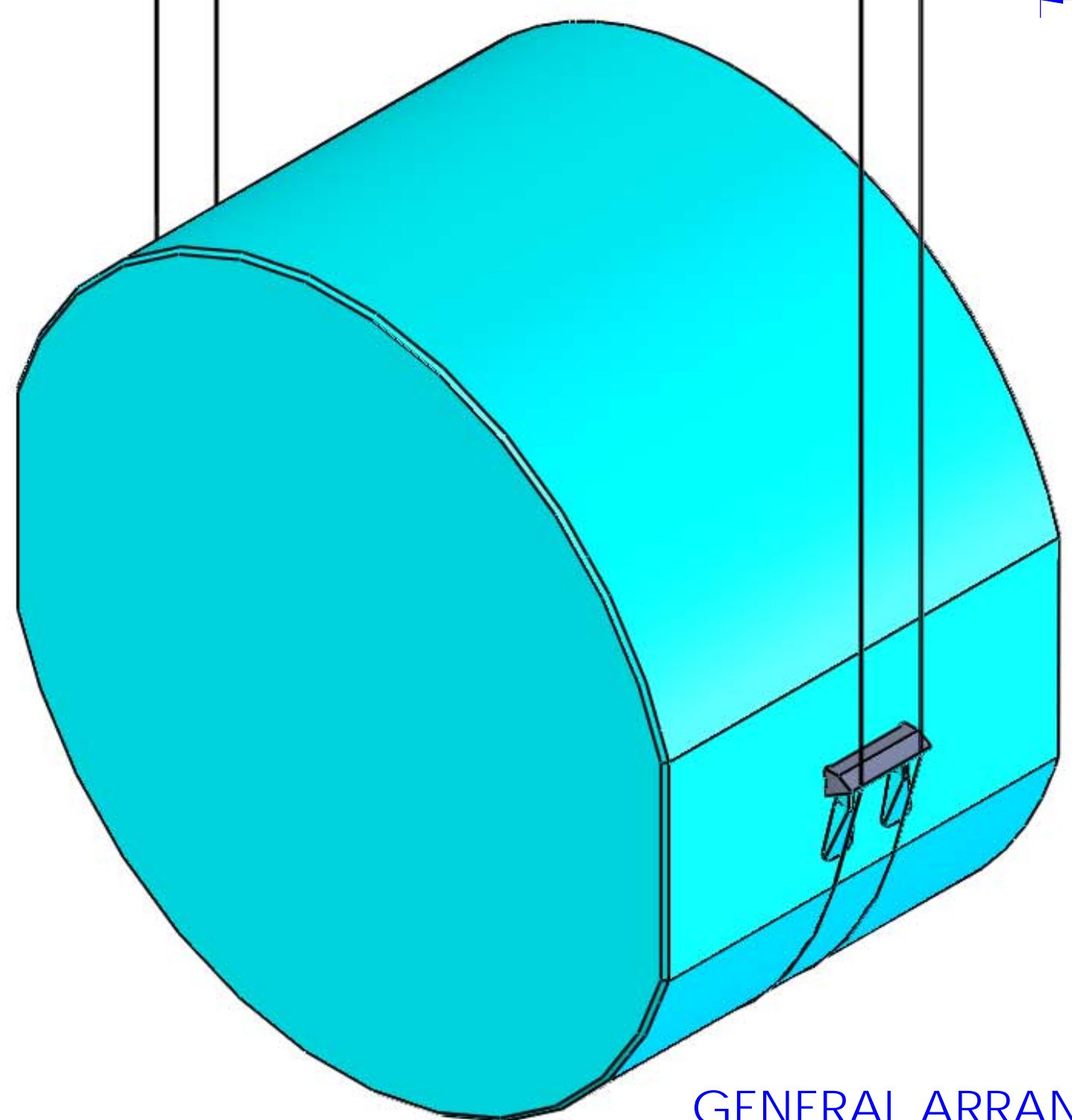
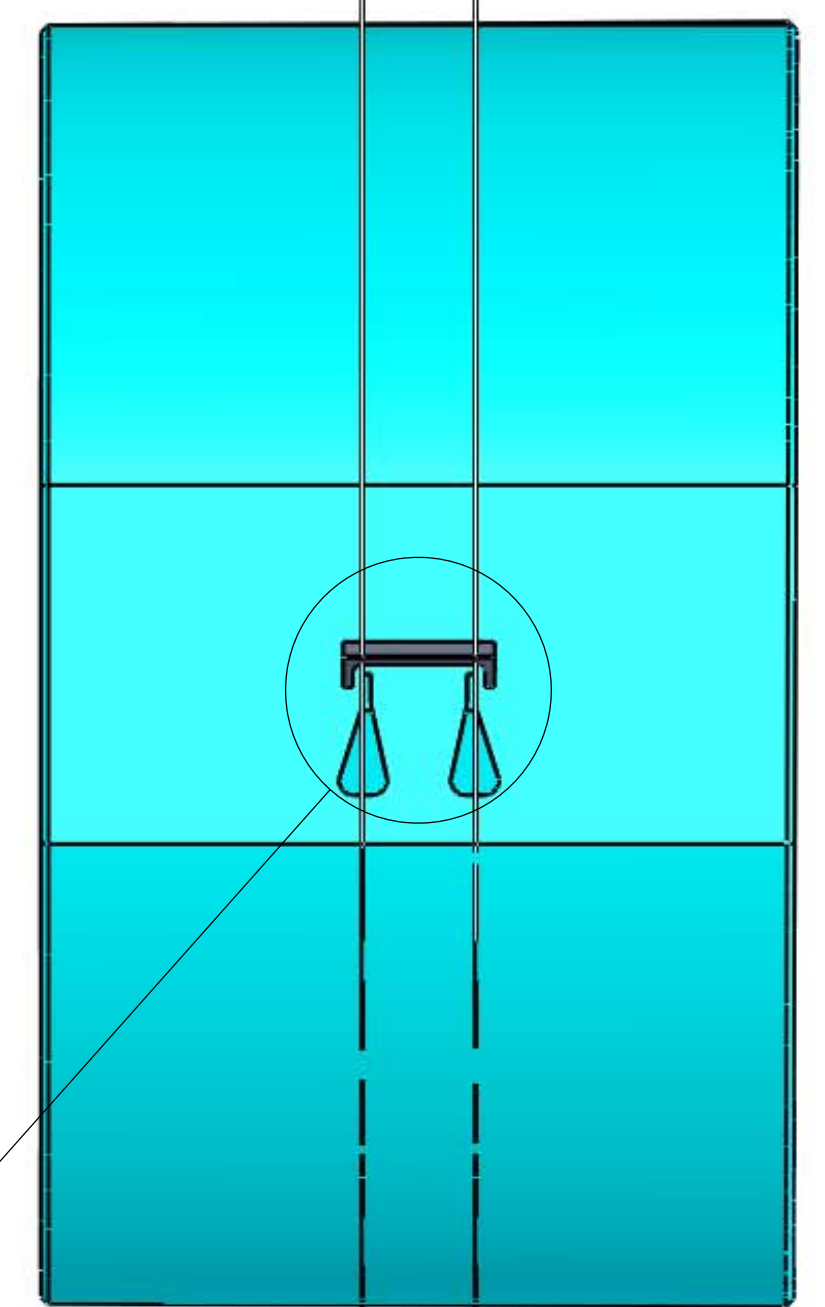
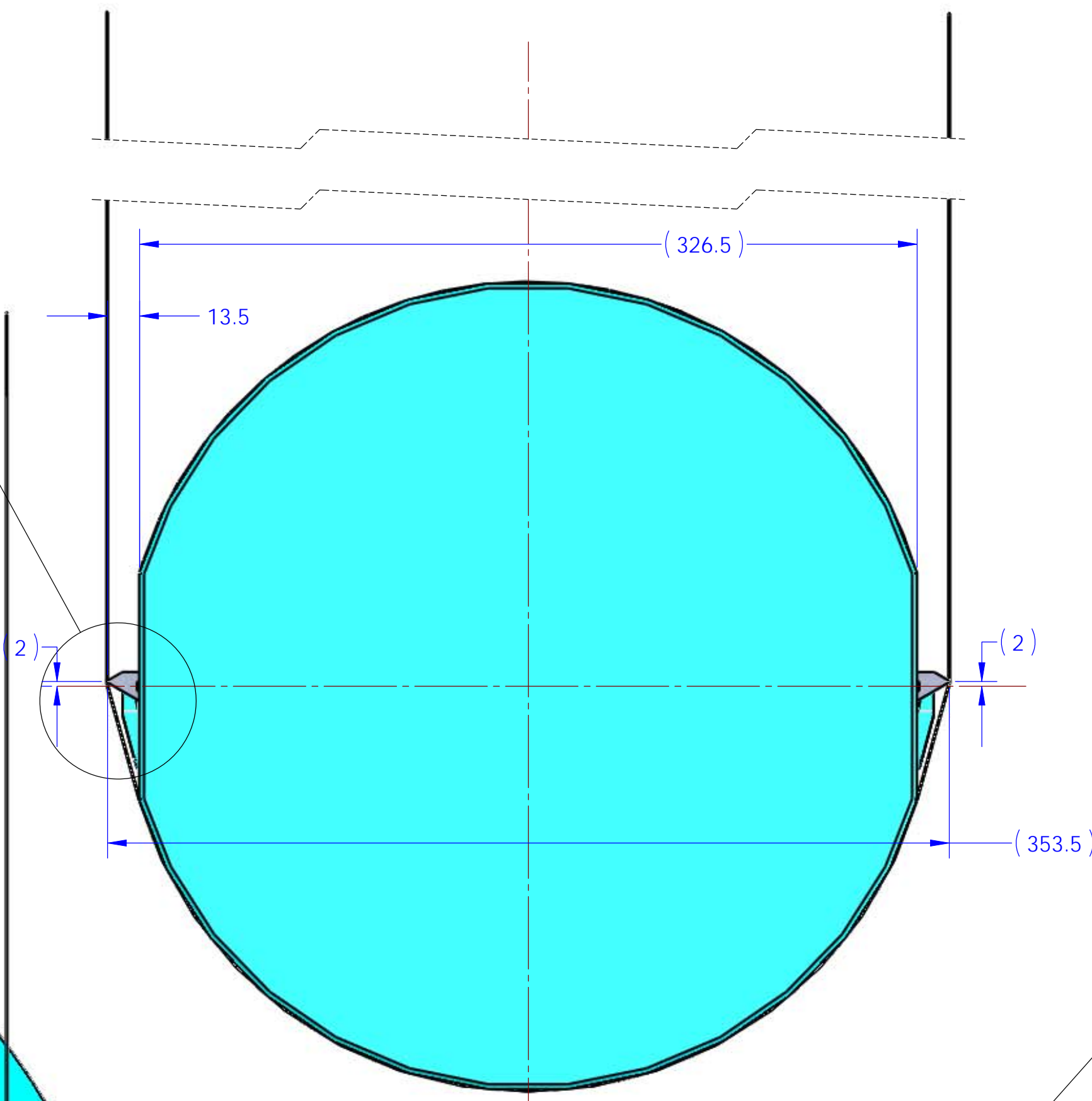
- WIRE DIAMETER TBC. (RAL/SUS)
- 'd' DISTANCE TO BE AGREED BASED ON SUGGESTED BONDING LOCATION (PRISM ϕ 2mm ABOVE LASTI OPTIC C.O.M.)

NOTES: (UNLESS OTHERWISE SPECIFIED)		PARTS LIST	
1. DO NOT SCALE FROM DRAWING.		DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES: X ± 0.3 X ± 0.2 ANGULAR ± 0.5 °		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY IGR, GLASGOW UNIVERSITY GEO 600 GROUP	
MATERIAL: --		SYSTEM: ADVANCED LIGO	
FINISH: -- μ m		SUB-SYSTEM: SUS	
DRAWN: R.JONES		NEXT ASSY: NP-type ETM	
CHECKED: C		PART NAME: (Fully Bonded) ETM SILICA TEST MASS	
APPROVED: C		SIZE DWG. NO. D060039	
SCALE: 1:8		PROJECTION:	
		REV. 06	
		SHEET 2 OF 4	

REV.	DATE	DCN #	DRAWING TREE #



DETAIL D
SCALE 1 : 1



DETAIL C
SCALE 2 : 1

**GENERAL ARRANGEMENT3:
(D080697) PRISM WITH WIRE LOOPS**

NOTES: (UNLESS OTHERWISE SPECIFIED)		PARTS LIST	
1. DO NOT SCALE FROM DRAWING.		DIMENSIONS ARE IN MILLIMETERS	
TOLERANCES: X ± 0.3 X ± 0.2 ANGULAR ± 0.5 °		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY IGR, GLASGOW UNIVERSITY GEO 600 GROUP	
MATERIAL: --		SYSTEM: ADVANCED LIGO	
FINISH: -- μm		SUB-SYSTEM: SUS	
DRAWN: R.JONES		NEXT ASSY: NP-type ETM	
CHECKED: C		PART NAME: (Fully Bonded) ETM SILICA TEST MASS	
APPROVED: C		SIZE: C	
SCALE: 1:8		DWG. NO.: D060039	
PROJECTION:		REV: 06	
		SHEET 3 OF 4	